



Fact Sheet: Behavioral Health GUI

What is the BH GUI?

The Behavioral Health Graphical User Interface (BH GUI) is a Windows-based presentation layer designed to improve usability and encourage greater use. The GUI “front-end” was applied to the current integrated behavioral health application, BHS v3.0, while maintaining all of its data and functionality. BHS v3.0 is a Mumps-based RPMS application that operates as the BH GUI “back-end.”

The BH GUI and BHS v3.0 were developed in-house by IHS for use by IHS, Tribal and Urban (I/T/U) mental health, social work, and alcohol/substance abuse programs. These applications were designed to meet the unique documenting and reporting needs of behavioral health (BH) providers and staff, allowing users to record and report on clinical and administrative activities. Both the BH GUI and BHS v3.0 fully interface with existing RPMS applications, including Third Party Billing, and assist sites in meeting JCAHO, CARF, and GPRA standards and reporting requirements. Depending on the technical environment and user preference, sites may choose to use either the BH GUI or BHS v3.0.

BHS v3.0 is divided into three major modules:

- **Behavioral Health Data Entry Menu:** to add, edit delete, display, or print all data items related to direct client care including chief complaint, diagnosis, intake/assessment, SOAP/progress/discharge notes, treatment planning, and follow-up care
- **Reports Menu:** for tracking and managing patient, provider, and program activities and statistics
- **Manager Utilities Menu:** for setting site-specific parameters related to security, program management, and exporting data to the Area offices and HQE

How were BHS v3.0 and the BH GUI developed?

BHS v3.0 was developed using the Navajo version of Mental Health/Social Service (MH/SS) as its base. The Navajo version combined the functionality of MH/SS v2.0 with the staging and statistical tools available in the Chemical Dependency Management Information System (CDMIS), v4.1. To enhance the work already done on the Navajo version, providers from I/T/U mental health, social work, and alcohol/substance abuse programs participated in an iterative process of identifying application requirements and functionality. Input from providers in the field was critical to developing an application that supports direct provider entry, which facilitates legible, accurate, and timely notes. The primary goal of this process was to improve the quality and continuity of care, program management, data collection, and report generation. Visual Basic (GUI) programmers and software usability and design experts were used to help transform the “roll & scroll” functionality of BHS v3.0 into an easier to use graphical user interface.

Current and Future Releases

BHS v3.0 was released by ITSC for national use in January 2003. The new release of this software is available at <http://www.ihs.gov/CIO/RPMS/appselect.cfm>. Training information for BHS v 3.0 is available at <http://www.ihs.gov/CIO/RPMS/HQWTraining.asp>. User support is available via the ITSC User Support Desk at ITSCHELP@mail.ihs.gov or 1-888-830-7280.

The BH GUI is currently being beta tested at several I/T/U sites and is expected to be released summer 2003. Training and user support for both applications will be available as ITSC and the Division of Behavioral Health continue to work toward a fully integrated electronic behavioral health record.

For additional information:

visit <http://www.ihs.gov/Cio/BH/index.asp>

or contact Denise Grenier, Denise.Grenier@mail.ihs.gov; (520) 670-4865

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The screenshot displays two overlapping windows from the IHS Patient Chart software. The background window, titled 'IHS Patient Chart - Chart', shows patient information for ACHTAR, EMOGENE (F, 07/16/1980) and lists designated providers. The foreground window, titled 'Integrated Behavioral Health - Add Regular Visit', shows the 'BH Visit Documentation' for the same patient. It includes fields for Primary Provider (MOORE, CATHERINE), Encounter Date (7/1/2003), Program (MENTAL HEALTH), Clinic (MENTAL HEALTH), Type of Contact (OUTPATIENT), and Arrival Time (12:00). Below these are sections for POV or DSM Diagnosis, Axis I (Clinical Disorders), Axis II (Personality Disorders), Axis III (General Medical Conditions), Axis IV (Major Psychosocial and Environmental Problems), and Axis V (Global Assessment of Functioning). The diagnosis section lists '14 MAJOR DEPRESSIVE DISORDER' and '66 PREGNANCY CONCERNS'. The Axis IV section lists '1 PRIMARY SUPPORT GROUP PROBLEMS' and '6 ECONOMIC PROBLEMS'. The Axis V section shows a GAF Scale of 70. Buttons for 'Save' and 'Clear' are at the bottom right.

BHS v3.0 GUI Functions

Face Sheet:	Display, Print	RCIS:	Add, Edit, Delete, Display, Print
Problems:	Add, Edit, Delete, Display, Print, Problem Notes	Health Summary (multiple formats):	Display, Print
Medications:	Add, Edit, Display, Print	Treatment Plan:	Add, Edit, Display, Print, Review/Revise
Labs:	Display, Graph Trend Data	Suicide Form:	Add, Edit, Display, Print
Purpose of Visit:	Add, Edit, Display, Print	Immunizations:	Display
Measurements:	Add, Edit, Display, Graph Trend Data	Patient Education:	Add, Edit, Display, Print
A/SA Staging Tools:	Add, Edit, Display, Print	Health Factors:	Add, Edit, Display, Print
Allergy Tracking:	Add, Edit, Display, Print	Visit (multiple types):	Add, Edit, Display, Print
Case Status:	Add, Edit, Display, Print	Group Encounter:	Add, Edit, Display, Print
Reports (multiple formats):	Display, Print	Administrative Record:	Add, Edit, Display, Print

Minimum RPMS Requirements

RPMS system with at least:

- ✓ Kernel v8.0
- ✓ FileMan v21.0
- ✓ Patient Registration v6.0
- ✓ PCC Data Entry v2.0 patch 5
- ✓ IHS Patient Dictionaries v99.1, patch 7
- ✓ PCC Health Summary v2.0, patch 9
- ✓ Patient Chart* v1.3

Suggested Desktop Requirements

IBM-compatible computer with at least:

- ✓ Pentium III or greater
- ✓ 256 Mb or more of RAM
- ✓ 17" VGA or SVGA monitor
- ✓ Gigabyte or larger hard drive
- ✓ 10/100 Ethernet card (PCI or 16-bit)
- ✓ NT or Windows 2000 operating system
- ✓ Windows Internet Explorer 5.0 or above

*BHS v3.0 can be used in a non-GUI format without Patient Chart